

JOB SHEET 2-4-31 CREATING USER FUNCTIONS

INTRODUCTION

Many times, viewing a product or set of products in a useful manner requires numerous screen manipulations. This can become exhausting and frustrating during the course of an active weather event. User Functions are procedures which take some of the button pushing burden off of the operator and onto the software of the system, thereby saving some time and effort.

Up to 60 User Functions can be defined, 30 can be invoked from the Graphics Tablet and all 60 are accessible through the Applications Terminal. User Functions are defined to perform many useful actions, such as: examining a storm through several elevation angles, comparing output from several products pertaining to the same storm, and making one time requests, just to name a few.

OBJECTIVE

Create and invoke a User Function which displays Composite Reflectivity(CR), Vertically Integrated Liquid(VIL), Storm Track(STI), and Echo Top(ET) products in a 4-panel display on the left screen.

REFERENCES

NWS EHB 6-531-1, USERS GUIDE: PUP/RPGOP, Section 11.0

PROCEDURE

1. a). From the Main Menu, type **U** and press **RETURN**.
b). The User Function Menu displays. Note in particular two commands:

(W)ait, <seconds> and
(E)nd Define and Examine, (E)nd UF

- These two commands are used while defining User Functions, however, they do not always appear on the Edit Screen. You may want to write them down as you will use them later.
- Note that up to 3600 seconds can be used in the "(W)ait, <seconds>" command. This command temporarily pauses the User Function for the number of seconds entered.

2. Type **D,1,FOUR_PANEL_ALGORITHM**.
 - Option **D** to create (define) a new User Function.
 - Use **1** for the <User Function number>. Valid User Function numbers are 1 through 60, although only 1 through 30 are activated by the Graphic Tablet. All 60 can be invoked through the Applications Terminal.
 - The <title>, in this case **FOUR_PANEL_ALGORITHM**, can be up to 50 characters in length. Titles may be more than one word, but since spaces are not recognized, you must use hyphens or underscores to separate the words. The User Function title should convey enough information, about that User Function, to tell the operator what to expect.
3. Press **RETURN**.
 - The feedback line reads "**Begin UF 1 Definition**".

***CAUTION!!**

- At this point, any manipulation performed either at the Applications Terminal or on the Graphic Tablet are included as a step in this User Function. This means someone else cannot operate the Graphic Tablet while you are creating a User Function without all of his/her commands becoming part of your User Function!
- "**U**" remains on the command line. Any command from the (U)ser Function Menu (such as the "wait" command) must be preceded by a "U". At times you want commands from other menus to be part of your User Function. In those cases, the "U" must be replaced with the letter corresponding to the menu you are accessing..
- The puck button or screen you select, while defining the User Function, is very important. These choices pre-determine which screen the products display on when the User Function is later executed.
- Since this display will be on the LEFT screen, use only the LEFT puck button.

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USER FUNCTION MENU

COMMAND: **U,D,1,FOUR_PANEL_ALGORITHM**
FEEDBACK:

Enter command.

(E)XECUTE, <UF#>,<rpg>
(C)ANCEL EXECUTION
(D)EFINE, <UF#>, <title>
(E)ND DEFINE AND EXAMINE *, (E)ND UF
<UF#>, [User Function # to receive control]
(W)AIT, <SECONDS>
(E)XAMINE, (T)ITLES
<UF#> * [Examine and edit]

*Note: Edit commands are available when the User Function Examine screen is displayed.

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USER FUNCTION MENU

COMMAND: **U,**
FEEDBACK: **BEGIN UF 1 DEFINITION**

Enter command.

(E)XECUTE, <UF#>,<rpg>
(C)ANCEL EXECUTION
(D)EFINE, <UF#>, <title>
(E)ND DEFINE AND EXAMINE *, (E)ND UF
<UF#>, [User Function # to receive control]
(W)AIT, <SECONDS>
(E)XAMINE, (T)ITLES
<UF#> * [Examine and edit]

*Note: Edit commands are available when the User Function Examine screen is displayed.

4. Select **QUAD 1** (LEFT button at the Graphic Tablet)
 - This puts the left screen in 4 quadrants once the User Function is invoked. Nothing happens **now**.
 - **NOTE** - You can tell that your entry has been accepted by looking at the "Feedback" line which reads "Quadrant 1/Cmnd 1". The actual list of commands comprising your User Function definition will not show up until you end your definition (see step 12).
5. Select Composite Reflectivity (**COMP REF** with the LEFT button).
 - This places this product in quadrant 1, and becomes the next line of your User Function.
6. Select **QUAD 2**. (LEFT button)
7. Select Vertically Integrated Liquid (**VIL** with the LEFT button).
 - The VIL product goes into quadrant 2.
8. Select **QUAD 3** (LEFT button).
9. Select Storm Track Product (**STI** with the LEFT button).
 - The STI product goes into quadrant 3.
10. Select **QUAD 4** (LEFT button).
11. Select Echo Tops (**ET** with the LEFT button).
 - The ET product will go into quadrant 4.
12. Type **EN,E** at the Applications Terminal, (following the "U" on the command line) and press **RETURN**.
 - This stands for (**EN**)d, Define and Examine, (**E**)nd UF. (Recall this command is listed on the User Function Menu.)
 - Your User Function is complete and the entire definition is displayed. If you notice any errors or want to make changes, you may edit the User Function now. You may also invoke the User Function (select UF1 at the Graphic Tablet), or move on to something else by exiting this menu.

GRAPHIC TABLET

| KEYBOARD | | | | | | | | | | | | | | | | SYMBOLS | | | | | | | | | | | | | | | | USER FUNCTIONS | | | | | | | | | |
|-------------------|----------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------|-------------|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|
| EDIT COMMANDS | EDIT ANNOT | EDIT ALERT AREA | DELETE ALERT BOX | ADD ALERT BOX | DEL RCTL | ADD RCTL | EDIT RCM PART A | | | | EDIT RCM PART C | | | | S7 25 | S8 26 | 59 27 | 60 28 | 61 29 | 62 30 | 63 31 | 64 32 | 26 | 27 | 28 | 29 | 30 | | | | | | | | | | | | | | |
| | EDIT MAP | HIGH DETAIL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * | BACK SPACE | 51 19 | 52 20 | 53 21 | 54 22 | 55 23 | 56 24 | 21 | 22 | 23 | 24 | 25 | | | | | | | | | | | | | | | | |
| | START ERASE | END ERASE | Q | W | E | R | T | Y | U | I | O | P | - | RET | 45 13 | 46 14 | 47 15 | 48 16 | 49 17 | 50 18 | 16 | 17 | 18 | 19 | 20 | | | | | | | | | | | | | | | | |
| | START LINE | END LINE | A | S | D | F | G | H | J | K | L | : | * | UPPER SHIFT | 39 7 | 40 8 | 41 9 | 42 10 | 43 11 | 44 12 | 11 | 12 | 13 | 14 | 15 | | | | | | | | | | | | | | | | |
| | CANCEL EDIT | EXIT EDIT & SAVE | Z | X | C | V | B | N | M | < | > | ? | / | SPACE | 33 1 | 34 2 | 35 3 | 36 4 | 37 5 | 38 6 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | | | | | | | |
| PARAMETERS | AZIMUTH SELECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CROSS SECTION SELECT | UF1 2 3 4 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | RPG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | REPEAT COUNT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | END HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SLICE/DURATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CENTER AZIMUTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CENTER RANGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | STORM DIRECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | STORM SPEED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CONTOUR INTERVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | MATCH PARAMETERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | DEFAULT PARAMETERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ELEVATION UP | LOW PRIORITY | DISPLAY PRODUCT | BASE REF | COMP REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | COMB REF | | | | | | | | | | | | | | |
| | ELEVATION DOWN | REQUEST MAPS | SEND | BASE VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | STM REL VEL | | | | | | | | | | | | | | |
| LOWEST ELEVATION | BLANK TIME DATE | SEND | BASE SPECTRUM | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | | | | | | | | | | | | | | | | |
| DED ASSOC RPG | .13 NM | 8 LEVEL | BASE SPECTRUM | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | | | | | | | | | | | | | | | | |
| DIAL-UP ASSOC RPG | .27 NM | 16 LEVEL | ONE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | THREE HOUR PRECIP | | | | | | | | | | | | | | | | |
| RPG 1 | .54 NM | HIGH ALT | MESO | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | SEVERE WEATHER | | | | | | | | | | | | | | | | |
| RPG 2 | 1.1 NM | MID ALT | M | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | LAYER WEATHER | | | | | | | | | | | | | | | | |
| RPG 3 | 2.2 NM | LOW ALT | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | LAYER COMP | | | | | | | | | | | | | | | | |
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TO EDIT A COMPLETED USER FUNCTION:

13. Select **F2** to return to the User Function Menu.
14. Type **EXA,1** next to the "U" and press **RETURN**.
 - Feedback reads "Executed - U,EXA,1". This displays UF 1 and allows you to make any changes.

Replace the Composite Reflectivity product in quadrant 1 with a Storm Total Precipitation product:

15. Type **DEL,2** and press **RETURN**.
 - Feedback reads "Deletion Completed." Line 2 is deleted and the list is subsequently renumbered from there down.
16. Type **I,1** and press **RETURN**.
 - Feedback reads "**Select New Command or Function to Insert After 1**". Inserting at the start of a User Function would require you to "insert after line 0 (I,0)".
17. At the Graphic Tablet, select **STORM TOTAL PRECIP (STP)** with the LEFT puck button.
 - This command inserts the STP as step 2 and renumbers the rest of the list. Terminate the edit session by merely ceasing to edit.
 - The other edit commands, not used in this job sheet, are as follows:
 - U,REN,NAME** - used to rename an existing User Function. "NAME" is the new title.
 - U,R,(E/UF#)** - allows you to replace the END command with a command which "chains" this User Function to another, and vice versa. More about that in JS2-4-33.

14

USER FUNCTION MENU

COMMAND: **U,EXA,1**
 FEEDBACK:

Enter command.

(E)XECUTE, <UF#>,<rpg>
 (C)ANCEL EXECUTION
 (D)EFINE, <UF#>, <title>
 (EN)D DEFINE AND EXAMINE *, (E)ND UF
 <UF#>, [User Function # to receive control]
 (W)AIT, <SECONDS>
(EXA)MINE, (T)ITLES
<UF#> * [Examine and edit]

*Note: Edit commands are available when the User Function Examine screen is displayed.

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EXAMINE/EDIT USER FUNCTION 1: FOUR_PANEL_ALGORITHM page 1 of 1

COMMAND: **U**,
 FEEDBACK:

EDIT CMDS: [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION']
(DEL)ETE,<LINE#> (R)EPLACE END, [(E)ND OR <UF#>]
(I)NSERT,<LINE#> (REN)AME UF TITLE,<NEW TITLE>

| | | |
|----|------------------------------|---|
| 1. | QUADRANT 1 | L |
| 2. | COMPOSITE REFLECTIVITY | L |
| 3. | QUADRANT 2 | L |
| 4. | VERTICALLY INTEGRATED LIQUID | L |
| 5. | QUADRANT 3 | L |
| 6. | STORM TRACK (Product) | L |
| 7. | QUADRANT 4 | L |
| 8. | ECHO TOPS | L |
| 9. | U,EN,E | |

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EXAMINE/EDIT USER FUNCTION 1: FOUR_PANEL_ALGORITHM page 1 of 1

COMMAND: **U**,
 FEEDBACK: **INSERTION COMPLETED**

EDIT CMDS: [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION']
 (DEL)ETE,<LINE#> (R)EPLACE END, [(E)ND OR <UF#>]
 (I)NSERT,<LINE#> (REN)AME UF TITLE,<NEW TITLE>

| | | |
|-----------|----------------------------------|----------|
| 1. | QUADRANT 1 | L |
| 2. | STORM TOTAL PRECIPITATION | L |
| 3. | QUADRANT 2 | L |
| 4. | VERTICALLY INTEGRATED LIQUID | L |
| 5. | QUADRANT 3 | L |
| 6. | STORM TRACK (Product) | L |
| 7. | QUADRANT 4 | L |
| 8. | ECHO TOPS | L |
| 9. | U,EN,E | |

There are 2 ways to invoke a User Function:**AT THE GRAPHIC TABLET:**

18. Select **UF1** (either button).

***NOTE THAT:**

- You may press either button to activate the User Function, however it only runs on the screen specified in the definition, in this case the left screen, regardless of which button you push.
- Once a User Function has run, it is done unless it was designed to create a loop. In the latter case, either the Graphic Tablet box labeled **CANCEL UF**, or the User Function Menu command **U,C** for (C)ancel Execution is used. The operator may choose to cancel a User Function at any time, however, this action only cancels the reading of further commands. Any commands already read will still be carried out.

AT THE APPLICATIONS TERMINAL:

19. Press **F2** (Function Key 2).

- This returns you to the Previous Menu (which in this case the User Function Menu).

20. Type **E,1;** (after the "U") and press **RETURN**.

- This command (**E**)xecutes **<UF#1>**.
- The (**E**)xecute, **<UF#>**, **<rpg>** line is designed to help ease the creation, execution, and number of User Functions. If the User Function is not defined via the Display Menu using an asterisk (*) in the "RPG" column, the **<rpg>** section of this command has no effect on the running of the User Function (see JS2-4-35). Therefore, executing the User Function by selecting UF1 at the Graphic Tablet or by typing U,E,1; at the Applications Terminal all have the same effect.

END

GRAPHIC TABLE

| | KEYBOARD | | | | | | | | | | | | | | | | SYMBOLS | | | | | | | | USER FUNCTIONS | | | | | |
|----------------------|----------------------|------------------|------------------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|----------------------------|----------------------------|-------------------------|------------------------|----------------|--------------|-------------|--------------------|-------------|------------|----|----|----|----|----|----|-----------------|----------------|----|----|----|--|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EDIT COMMANDS | EDIT ANNOT | EDIT ALERT AREA | DELETE ALERT BOX | ADD ALERT BOX | DEL RCTL | ADD RCTL | | EDIT RCM PART A | EDIT RCM PART C | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 26 | 27 | 28 | 29 | 30 | | | | | | | | |
| | EDIT MAP | HIGH DETAIL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * | (|) | * | BACK SPACE | 51 | 52 | 53 | 54 | 55 | 56 | 21 | 22 | 23 | 24 | 25 | | |
| | START ERASE | END ERASE | Q | W | E | R | T | Y | U | I | O | P | - | . | / | RECALL | 45 | 46 | 47 | 48 | 49 | 50 | 16 | 17 | 18 | 19 | 20 | | | |
| | START LINE | END LINE | A | S | D | F | G | H | J | K | L | : | ; | ' | " | UPPER SHIFT | 39 | 40 | 41 | 42 | 43 | 44 | 11 | 12 | 13 | 14 | 15 | | | |
| | CANCEL EDIT | EXIT EDIT & SAVE | Z | X | C | V | B | N | M | < | > | ? | SPACE | LOWER SHIFT | 33 | 34 | 35 | 36 | 37 | 38 | | | 6 | 7 | 8 | 9 | 10 | | | |
| | AZIMUTH SELECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CROSS SECTION SELECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | RPG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REPEAT COUNT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| END HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BLICE/DURATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CENTER AZIMUTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CENTER RANGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STORM DIRECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STORM SPEED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONTOUR INTERVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL/DONE SWA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HATCH PARA. METERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEFAULT PARA. METERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELEVATION UP | LOW PRIORITY | REQUEST MAPS | REQUEST MAPS | BASE REF | COMP REF | COMP REF | COMP REF | ECHO TOPS | REF CROSS SECTION | ACK PRODUCT | DISPLAY QUEUED PRODUCT | PRODUCT OFFION | MAPS OFFION | MAPS ERASE | MAPS FOREGD/BACKGD | CANCEL | | | | | | | | | | | | | | |
| ELEVATION DOWN | REQUEST MAPS | REQUEST MAPS | BASE REF | COMP REF | COMP REF | COMP REF | COMP REF | ECHO TOPS | REF CROSS SECTION | ACK PRODUCT | DISPLAY QUEUED PRODUCT | PRODUCT OFFION | MAPS OFFION | MAPS ERASE | MAPS FOREGD/BACKGD | CANCEL | | | | | | | | | | | | | | |
| LOWEST ELEVATION | BLANK TIME DATE | SEND RPG REQ | BASE REF | COMP REF | COMP REF | COMP REF | COMP REF | ECHO TOPS | REF CROSS SECTION | ACK PRODUCT | DISPLAY QUEUED PRODUCT | PRODUCT OFFION | MAPS OFFION | MAPS ERASE | MAPS FOREGD/BACKGD | CANCEL | | | | | | | | | | | | | | |
| DEO ASSOC RPG | .13 NM | 8 LEVEL | BASE SPECTRUM WIDTH | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | COMBINED SHEAR | SPECTRUM WIDTH | HEXRAD UNIT STATUS | CLEAR QUEUE | REDISPLAY LAST PRODUCT | RIVER | RIVER BASIN | RDA | RANGE RND | | | | | | | | | | | | | | | |
| DIAL-UP ASSOC RPG | 27 NM | 16 LEVEL | ONE HOUR PRECIP | THREE HOUR PRECIP | SEVERE WEATHER PROBABILITY SWP | WEAK ECHO REGION | VERTICALLY INTEGRATED LIQUID VIL | STORM TRACK | TORNADO VORTICES SIGNATURE | RADAR CODED MESSAGE RCM | ALL SWA PRODUCTS | WARNING AREA | MIL OPN AREA | POLAR GRID | LFM GRID | | | | | | | | | | | | | | | |
| RPG 1 | .54 NM | HIGH ALT | MESO | SEVERE WEATHER PROBABILITY SWP | WEAK ECHO REGION | VERTICALLY INTEGRATED LIQUID VIL | STORM TRACK | TORNADO VORTICES SIGNATURE | RADAR CODED MESSAGE RCM | ALL SWA PRODUCTS | WARNING AREA | MIL OPN AREA | POLAR GRID | LFM GRID | | | | | | | | | | | | | | | | |
| RPG 2 | 1.1 NM | MID ALT | LAYER COMP REF MAX LRM | LAYER COMP REF MAX LRM | LAYER COMP REF MAX LRM | LAYER COMP REF MAX LRM | LAYER COMP REF MAX LRM | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | | | | | | | | | | | | | | | |
| RPG 3 | 2.2 NM | LOW ALT | LAYER COMP REF MAX LRM | LAYER COMP REF MAX LRM | LAYER COMP REF MAX LRM | LAYER COMP REF MAX LRM | LAYER COMP REF MAX LRM | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | SWA VEL/SRR | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PARAMETERS | | | | | | | | | | | | | | | | PRODUCTS | | | | | | | | BACKGROUND MAPS | | | | | | |

USER FUNCTION MENU

COMMAND: **U,E,1;**

FEEDBACK:

Enter command.

(E)XECUTE, <UF#>, <rpg>

(C)ANCEL EXECUTION

(D)EFINE, <UF#>, <title>

(E)ND DEFINE AND EXAMINE *

(E)ND UF

<UF#>, [User Function # to receive control]

(W)AIT, <SECONDS>

(E)XAMINE, (T)ITLES

<UF#> * [Examine and edit]

*Note:

Edit commands are available when the User Function Examine screen is displayed.